
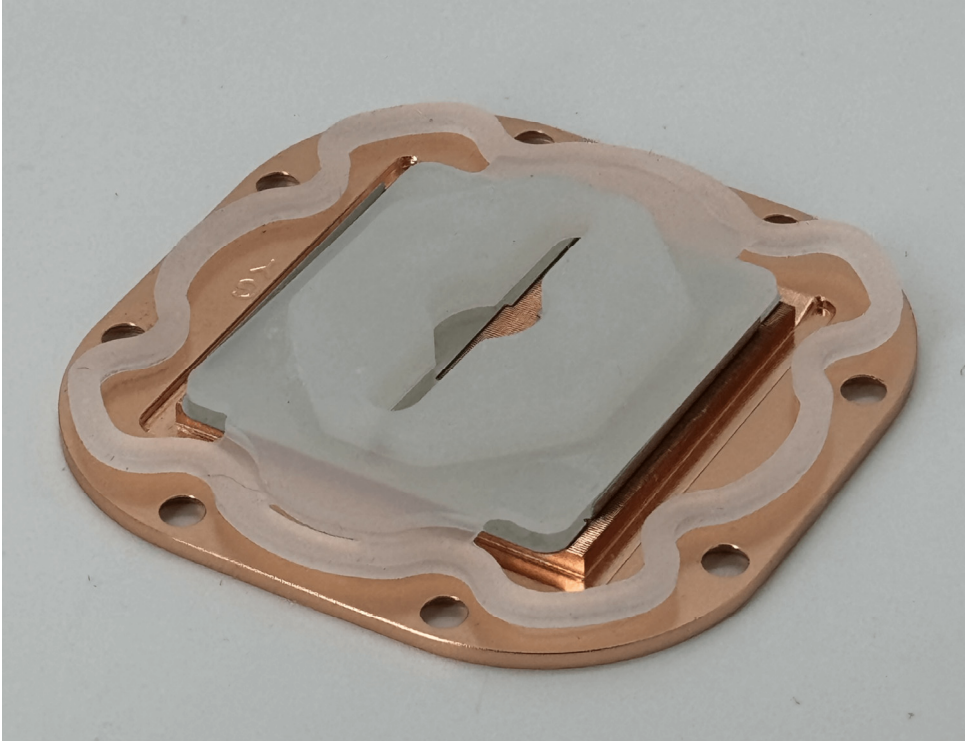
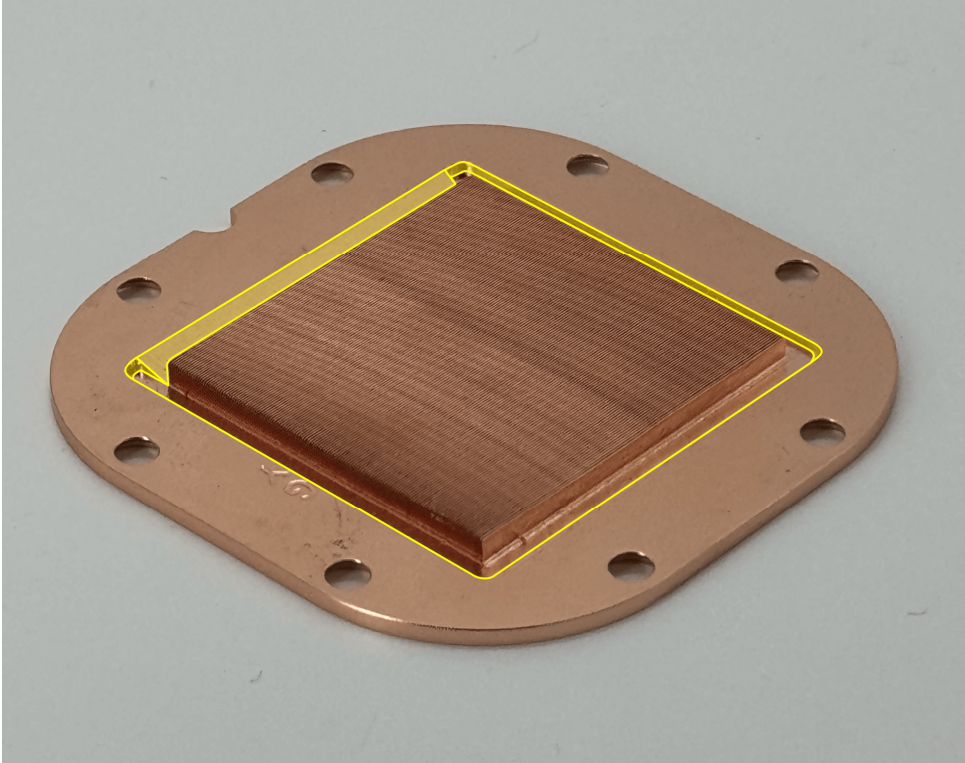


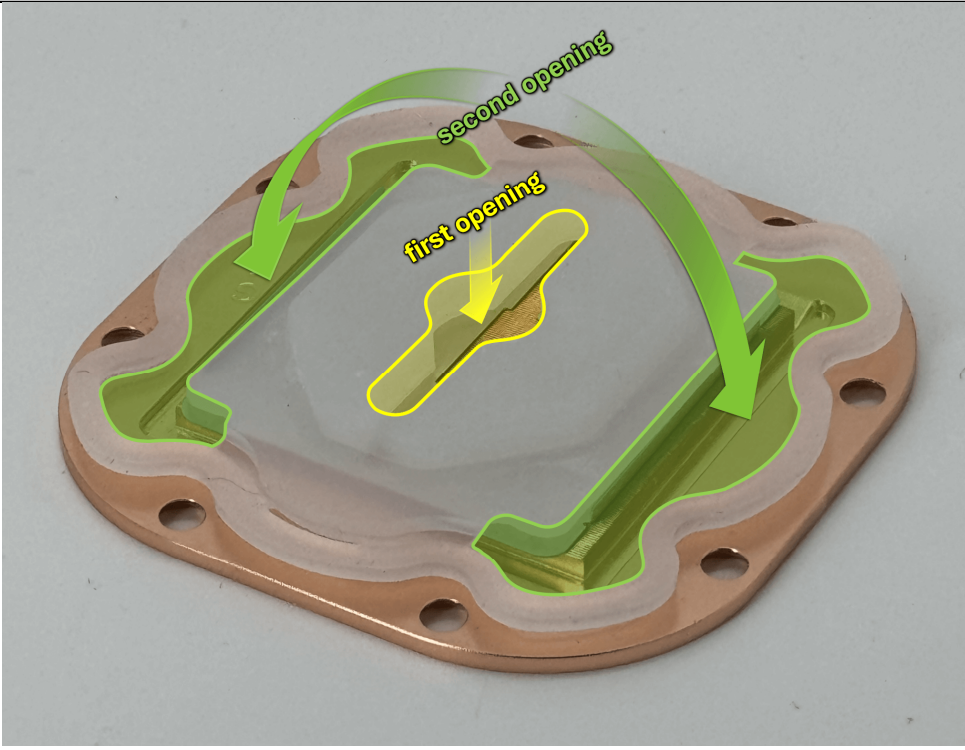
Exhibit 2 (Part 1)

| Claims of the '446 Patent | SilverStone ICEMYST 240 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|-----------|----------------|-------------|--|-------------|--|---------------------------------------|----------|--|------------------|------|-------------|----------------|------|---------------------------|------------------|--------------------|-----------------------|-----|--|----------------------|------------------|----------------------|----------------------------|------------------|--|
| 1. A cooling apparatus, comprising: | <p>The SilverStone ICEMYST 240 is a cooling apparatus.</p> <p>See, e.g., Product Sheet - SilverStone ICEMYST 240, available at https://www.silverstonetek.com/upload/sstedm/im240-argb/IM240-ARGB%20Product%20Sheet-EN.pdf.</p> <div><div> SILVERSTONE</div><div>www.silverstonetek.com</div></div> <div></div> <div><div>IM240-ARGB</div><div>Premium All-In-One liquid cooler with ARGB lighting</div></div> <ul style="list-style-type: none">• SilverStone's newly designed expandable water block features a seamless 360° rotatable top cover• Modular cabling design greatly simplifies connection and management of cables• Slight-convexed copper baseplate ensures firm contact with the processor• Radiator-optimized cooling fans with tremendous airflow and static pressure figures• Three-phase, six-pole motor design• ARGB controller included with 10 lighting modes, along with adjustable brightness and color-changing speed <div><div>Specifications</div><table><tr><td>Model No.</td><td>SST-IM240-ARGB</td></tr><tr><td>Application</td><td>Intel LGA 115X/1200/1700/2011/2066 AMD socket AM5/AM4</td></tr><tr><td rowspan="2">Water block</td><td>Dimension73mm (W) x 70mm (H) x 84mm (D) 2.87" (W) x 2.76" (H) x 3.31" (D)</td></tr><tr><td>MaterialCopper base with plastic body</td></tr><tr><td rowspan="2">Radiator</td><td>Dimension120mm (W) x 28mm (H) x 277mm (D) 4.72" (W) x 1.1" (H) x 10.91" (D)</td></tr><tr><td>MaterialAluminum</td></tr><tr><td rowspan="2">Tube</td><td>Length460mm</td></tr><tr><td>MaterialRubber</td></tr><tr><td rowspan="4">Pump</td><td>Motor speed3,100 ±10% RPM</td></tr><tr><td>Rated Voltage12V</td></tr><tr><td>Rated Current0.38A</td></tr><tr><td>Connector2510 - 3 pin</td></tr><tr><td rowspan="7">Fan</td><td>Dimension120mm (W) x 25mm (H) x 120mm (D) 4.72" (W) x 0.98" (H) x 4.72" (D)</td></tr><tr><td>Speed500 ~ 2,200 RPM</td></tr><tr><td>airflow75.74 CFM</td></tr><tr><td>air pressure3.4mmH2O</td></tr><tr><td>Noise level12.1 ~ 33.1 dBA</td></tr><tr><td>Rated Voltage12V</td></tr><tr><td>Connector4 pin PWM & 4-1 pin ARGB (5V LED)</td></tr></table></div> <div><div>Remark</div><ul style="list-style-type: none">• Please ensure that the control box and the RGB port on the motherboard you wish to connect are compatible with the RGB port definition of the IM240-ARGB. An incorrect connection may result in malfunctions or damage.</div> | Model No. | SST-IM240-ARGB | Application | Intel LGA 115X/1200/1700/2011/2066 AMD socket AM5/AM4 | Water block | Dimension73mm (W) x 70mm (H) x 84mm (D) 2.87" (W) x 2.76" (H) x 3.31" (D) | MaterialCopper base with plastic body | Radiator | Dimension120mm (W) x 28mm (H) x 277mm (D) 4.72" (W) x 1.1" (H) x 10.91" (D) | MaterialAluminum | Tube | Length460mm | MaterialRubber | Pump | Motor speed3,100 ±10% RPM | Rated Voltage12V | Rated Current0.38A | Connector2510 - 3 pin | Fan | Dimension120mm (W) x 25mm (H) x 120mm (D) 4.72" (W) x 0.98" (H) x 4.72" (D) | Speed500 ~ 2,200 RPM | airflow75.74 CFM | air pressure3.4mmH2O | Noise level12.1 ~ 33.1 dBA | Rated Voltage12V | Connector4 pin PWM & 4-1 pin ARGB (5V LED) |
| Model No. | SST-IM240-ARGB | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Application | Intel LGA 115X/1200/1700/2011/2066 AMD socket AM5/AM4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Water block | Dimension73mm (W) x 70mm (H) x 84mm (D) 2.87" (W) x 2.76" (H) x 3.31" (D) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MaterialCopper base with plastic body | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Radiator | Dimension120mm (W) x 28mm (H) x 277mm (D) 4.72" (W) x 1.1" (H) x 10.91" (D) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MaterialAluminum | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tube | Length460mm | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MaterialRubber | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pump | Motor speed3,100 ±10% RPM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Rated Voltage12V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Rated Current0.38A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Connector2510 - 3 pin | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fan | Dimension120mm (W) x 25mm (H) x 120mm (D) 4.72" (W) x 0.98" (H) x 4.72" (D) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Speed500 ~ 2,200 RPM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | airflow75.74 CFM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | air pressure3.4mmH2O | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Noise level12.1 ~ 33.1 dBA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Rated Voltage12V | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Connector4 pin PWM & 4-1 pin ARGB (5V LED) | | | | | | | | | | | | | | | | | | | | | | | | | | |


| Claims of the '446 Patent | SilverStone ICEMYST 240 |
|--|---|
| <p>a base plate configured to dissipate heat and including a heat exchange unit;</p> | <p>The SilverStone ICEMYST 240 includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p>  <p>The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p>The base plate is configured to dissipate heat through the heat exchange unit.</p> |
| <p>a cover member coupled to the base plate and at least partially enclosing the</p> | <p>The SilverStone ICEMYST 240 includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p>The cover member is comprised of a plastic membrane.</p> |

| Claims of the '446 Patent | SilverStone ICEMYST 240 |
|--|---|
| heat exchange unit, | <p>The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p>  <p>When the SilverStone ICEMYST 240 is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p> |
| the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit, | <p>The cover member and the base plate in the SilverStone ICEMYST 240 define a heat exchange chamber that includes the heat exchange unit.</p> <p>Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate, as well as the sections of the unrecessed portion of the base plate that are within the bounds set by the side walls of the plastic membrane.</p> |

| Claims of the '446 Patent | SilverStone ICEMYST 240 |
|---|--|
| | <p>The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p>  <p>As described, this heat exchange chamber includes the heat exchange unit.</p> |
| the cover member defining a first opening and a second opening, | <p>The cover member in the SilverStone ICEMYST 240 defines a first opening and a second opening.</p> <p>Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p> |


| Claims of the '446 Patent | SilverStone ICEMYST 240 |
|---|--|
| |  |
| <p>and the cover member being coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit;</p> | <p>In the SilverStone ICEMYST 240, the cover member is coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange unit.</p> |
| <p>a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member,</p> | <p>The SilverStone ICEMYST 240 includes a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member.</p> <p>The flow guidance plate is shown below.</p> <p>First, two views of the top of the flow guidance plate are depicted here:</p> |

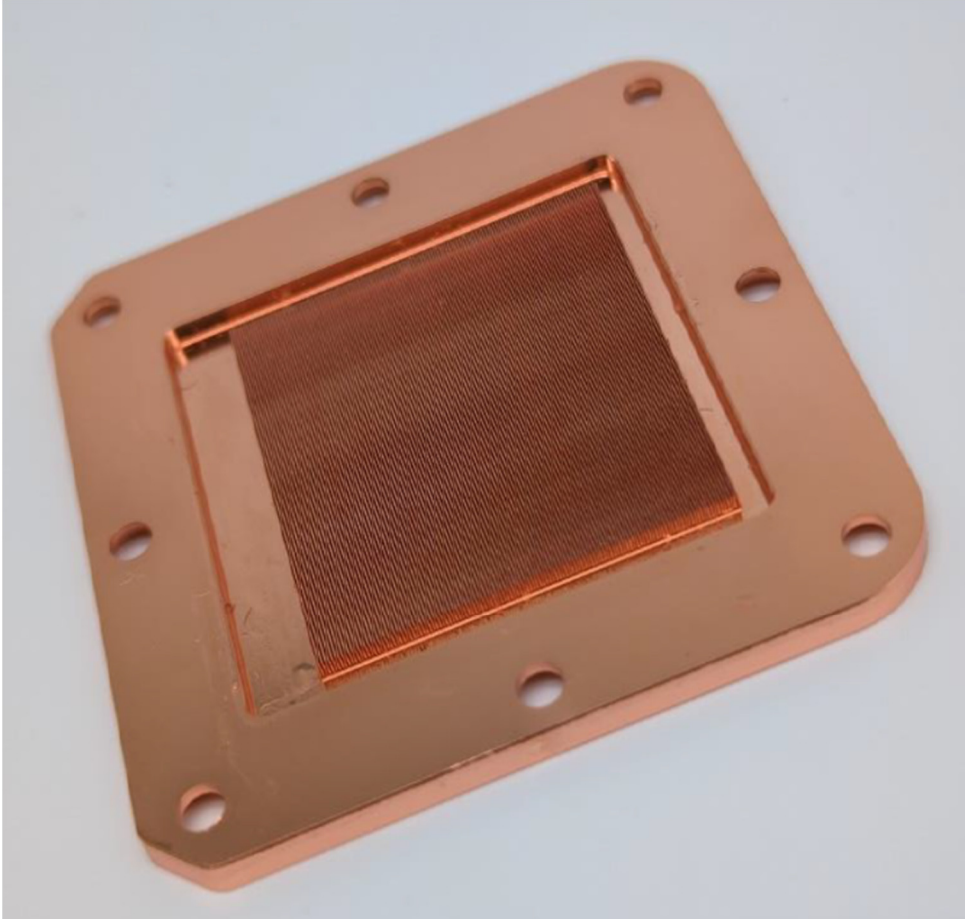
| Claims of the '446 Patent | SilverStone ICEMYST 240 |
|--|--|
| | <div data-bbox="456 279 1414 709">  </div> <p data-bbox="456 846 1382 919">Second, two views of the bottom of the flow guidance plate are depicted here:</p> <div data-bbox="456 968 1414 1398">  </div> <p data-bbox="456 1493 1414 1650">When the SilverStone ICEMYST 240 is assembled, the flow guidance plate is disposed on a top surface of the cover member (<i>i.e.</i>, the top of the plastic membrane) and includes a bottom surface (shown above) facing the top surface of the cover member.</p> |
| wherein the flow guidance plate at least partially defines a first | In the SilverStone ICEMYST 240, the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity. |

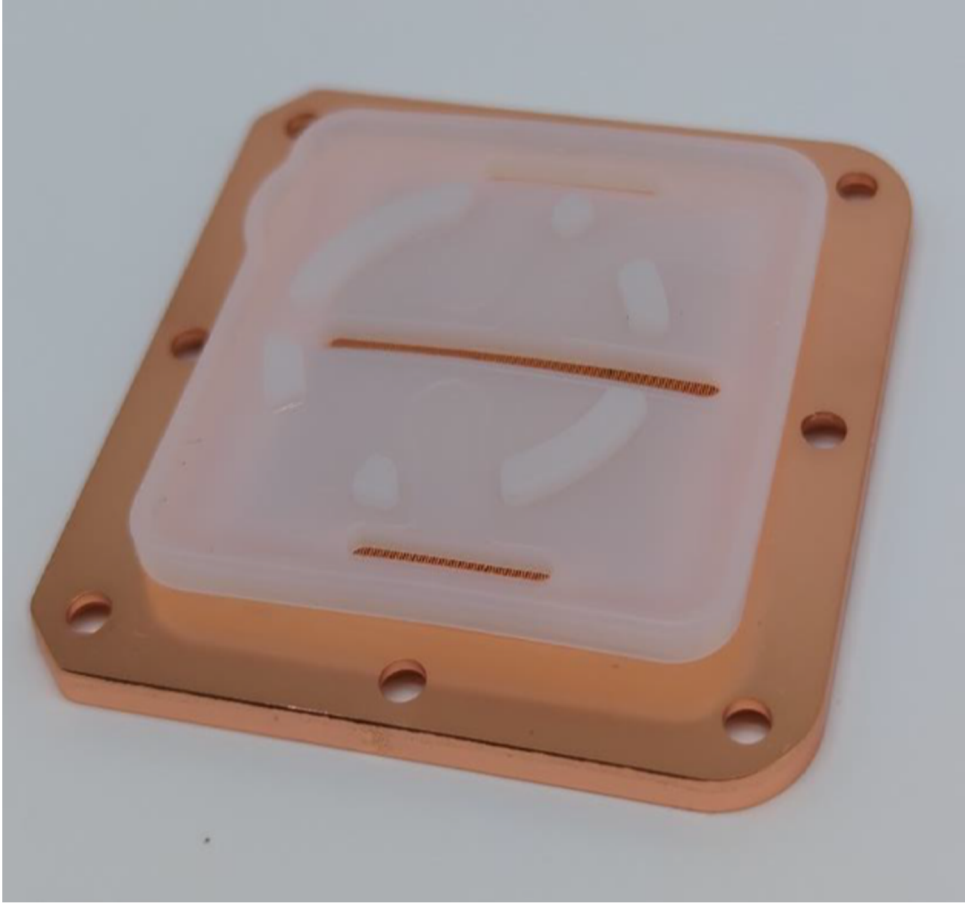
| Claims of the '446 Patent | SilverStone ICEMYST 240 |
|--|---|
| cavity and a second cavity separated from the first cavity, and | <p>The portions of these two cavities defined by the flow guidance plate are shown in the image below:</p>  |
| the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate; and | <p>In the SilverStone ICEMYST 240, the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate.</p> <p>The image reproduced above (showing the portions of the two cavities defined by the flow guidance plate) is an image of the bottom surface of the flow guidance plate.</p> |
| a housing disposed on the flow guidance plate. | <p>The SilverStone ICEMYST 240 includes a housing disposed on the flow guidance plate.</p> <p>Images of the top and bottom of the housing are shown below:</p> |

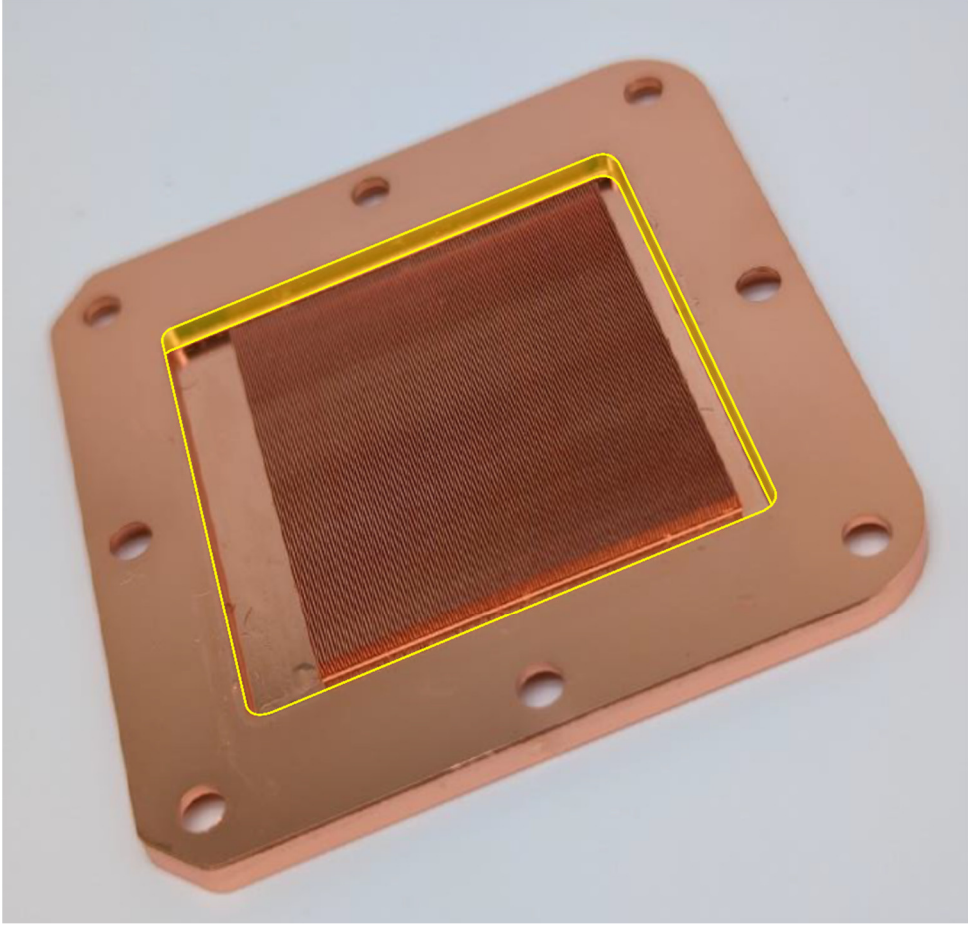
| Claims of the '446 Patent | SilverStone ICEMYST 240 |
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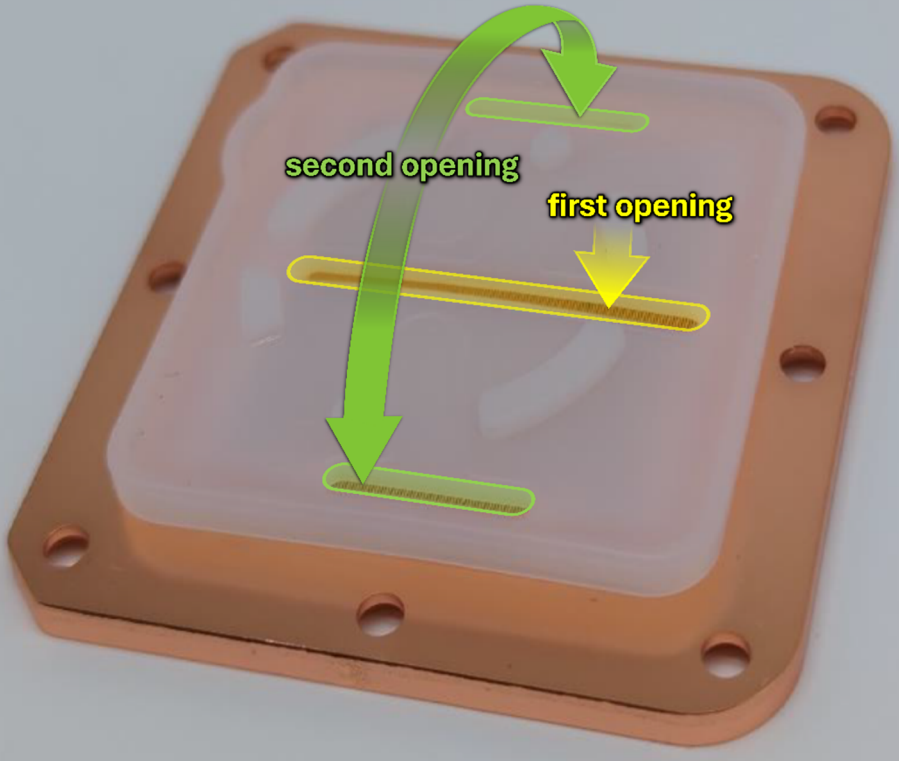
| Claims of the '446 Patent | SilverStone ICEMYST 240 |
|------------------------------|--|
| | When the SilverStone ICEMYST 240 is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate. |

| Claims of the '446 Patent | SilverStone PF240 |
|---|--|
| 1. A cooling apparatus, comprising: | <p>The SilverStone PF240 is a cooling apparatus.</p> <p>See, e.g., Product Sheet - SilverStone PF240, available at https://www.silverstonetek.com/upload/sstedm/pf240-argb/PF240-ARGB-V2-Product_sheet-EN.pdf.</p>  <p>The product sheet for the SilverStone PF240 includes the following details:</p> <ul style="list-style-type: none"> Model No.: SST-PF240-ARGB, SST-PF240-ARGB-V2 Water block: <ul style="list-style-type: none"> Material: Copper base with plastic body Dimension: 61mm (L) x 61mm (W) x 50mm (H), 2.41" (L) x 2.41" (W) x 1.98" (H) Pump: <ul style="list-style-type: none"> Motor speed: 3400±10% RPM Rated Voltage: 12V Rated Current: 0.39A Fan: <ul style="list-style-type: none"> Dimension: 120mm (L) x 120mm (W) x 25mm (D), 4.72" (L) x 4.72" (W) x 0.98" (D) Speed: 600~2200 RPM Noise level: 7.4~35.6 dBA Rated Voltage: 12V Rated Current: 0.32A Max airflow: 94CFM Pressure: 3.53mm/H2O Connector: 4 Pin PWM Radiator: <ul style="list-style-type: none"> Dimension: 272mm (L) x 120mm (W) x 28mm (H), 10.7" (L) x 4.72" (W) x 1.1" (H) Material: Aluminum Tube: <ul style="list-style-type: none"> Length: 400 mm Material: Rubber Application: <ul style="list-style-type: none"> Intel Socket LGA115x/1200/1700/2011/2066 (V2) Intel Socket LGA775/115X/1366/2011/2066 AMD Socket AM2/AM3/AM4/FM1/FM2 <p>Additional components shown include an Addressable RGB controller, an ARGB water block, and an ARGB fan.</p> |
| a base plate configured to dissipate heat and including a heat exchange unit; | <p>The SilverStone PF240 includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p> |

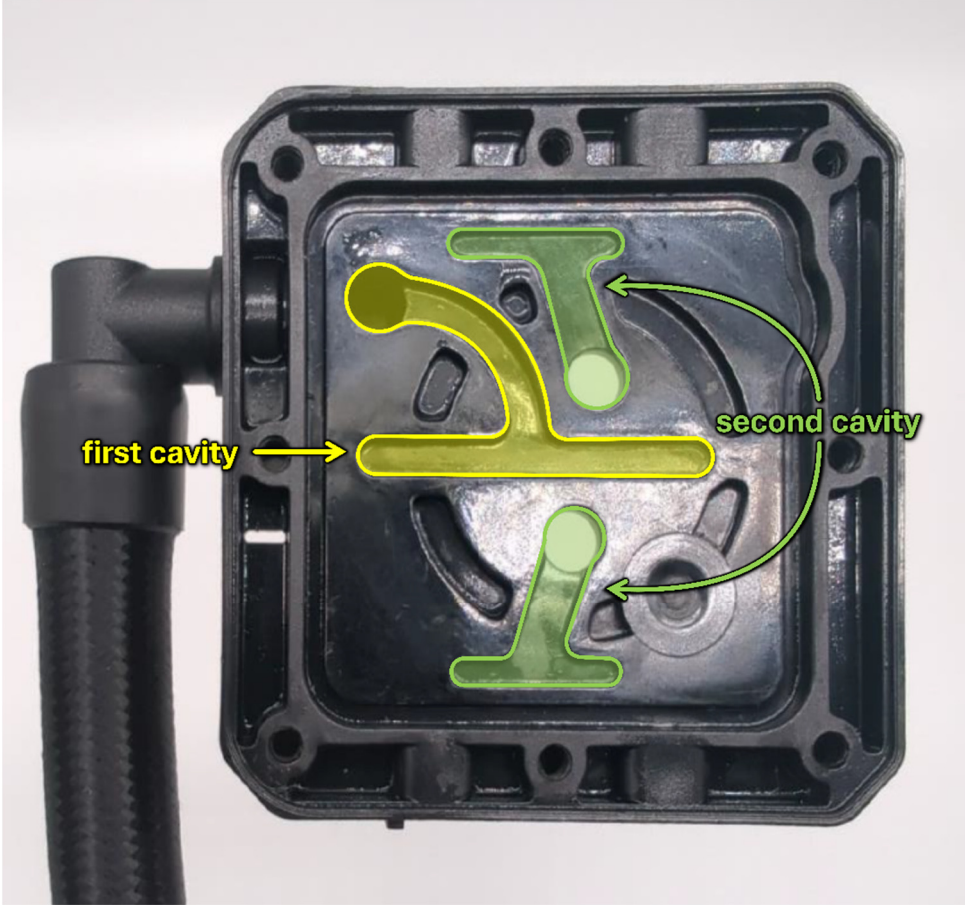
| Claims of the '446 Patent | SilverStone PF240 |
|---|---|
| |  <p data-bbox="456 1203 1414 1329">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="456 1371 1414 1455">The base plate is configured to dissipate heat through the heat exchange unit.</p> |
| a cover member coupled to the base plate and at least partially enclosing the heat exchange unit, | <p data-bbox="456 1497 1414 1581">The SilverStone PF240 includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="456 1623 1414 1665">The cover member is comprised of a plastic membrane.</p> <p data-bbox="456 1707 1414 1791">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p> |


| Claims of the '446 Patent | SilverStone PF240 |
|---|--|
| |  <p data-bbox="456 1226 1414 1308">When the SilverStone PF240 is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p> |
| <p data-bbox="215 1318 435 1682">the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit,</p> | <p data-bbox="456 1318 1401 1392">The cover member and the base plate in the SilverStone PF240 define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="456 1440 1401 1728">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p> <p data-bbox="456 1776 1401 1892">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p> |



| Claims of the '446 Patent | SilverStone PF240 |
|---|---|
| |  <p data-bbox="456 1329 1406 1367">As described, this heat exchange chamber includes the heat exchange unit.</p> |
| the cover member defining a first opening and a second opening, | <p data-bbox="456 1419 1398 1493">The cover member in the SilverStone PF240 defines a first opening and a second opening.</p> <p data-bbox="456 1545 1360 1619">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p> |

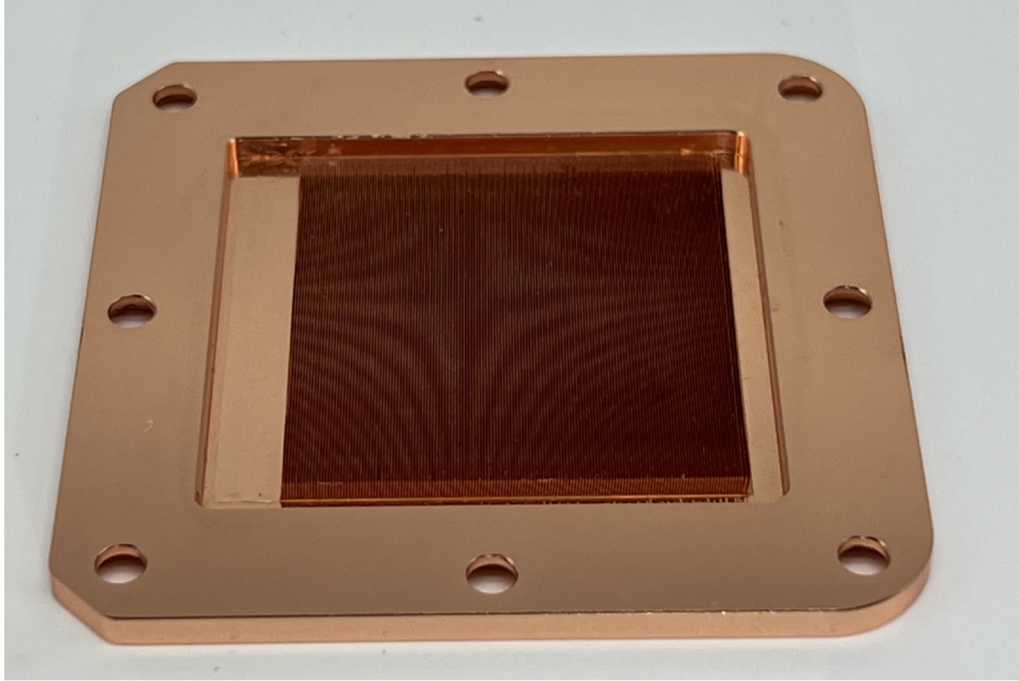
| Claims of the '446 Patent | SilverStone PF240 |
|--|--|
| |  |
| <p>and the cover member being coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit;</p> | <p>In the SilverStone PF240, the cover member is coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange unit.</p> |
| <p>a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member</p> | <p>The SilverStone PF240 includes a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member.</p> <p>The flow guidance plate is shown below.</p> <p>First, two views of the top of the flow guidance plate are depicted here:</p> |


| Claims of the '446 Patent | SilverStone PF240 |
|---|---|
| facing the top surface of the cover member, | <div data-bbox="453 319 1393 741">  </div> <p data-bbox="453 961 1393 1035">Second, two views of the bottom of the flow guidance plate are depicted here:</p> <div data-bbox="453 1083 1393 1495">  </div> <p data-bbox="453 1627 1393 1791">When the SilverStone PF240 is assembled, the flow guidance plate is disposed on a top surface of the cover member (<i>i.e.</i>, the top of the plastic membrane) and includes a bottom surface (shown above) facing the top surface of the cover member.</p> |

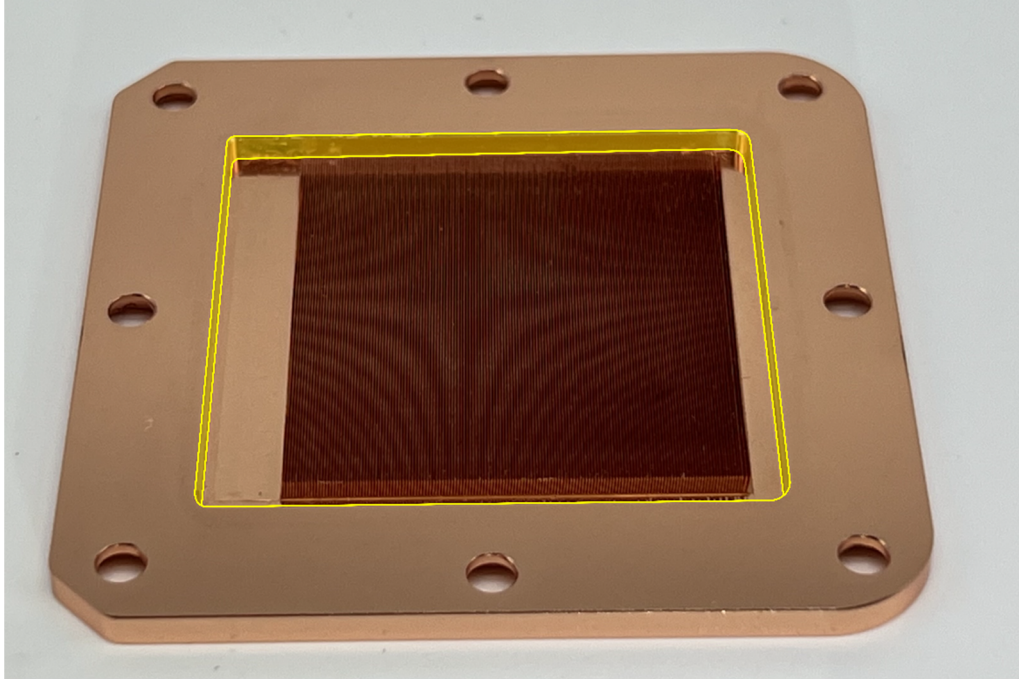
| Claims of the '446 Patent | SilverStone PF240 |
|---|--|
| <p>wherein the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity, and</p> | <p>In the SilverStone PF240, the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity.</p> <p>The portions of these two cavities defined by the flow guidance plate are shown in the image below:</p>  |
| <p>the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate; and</p> | <p>In the SilverStone PF240, the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate.</p> <p>The image reproduced above (showing the portions of the two cavities defined by the flow guidance plate) is an image of the bottom surface of the flow guidance plate.</p> |
| <p>a housing disposed on the</p> | <p>The SilverStone PF240 includes a housing disposed on the flow guidance plate.</p> |

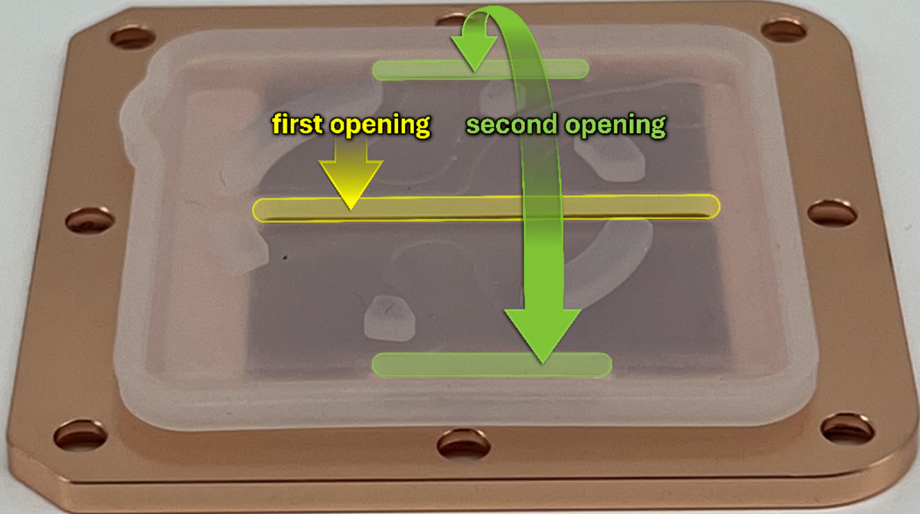
| Claims of the '446 Patent | SilverStone PF240 |
|---------------------------|--|
| flow guidance plate. | <p data-bbox="456 285 1252 317">Images of the top and bottom of the housing are shown below:</p>  <p data-bbox="456 1199 1386 1316">When the SilverStone PF240 is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate.</p> |

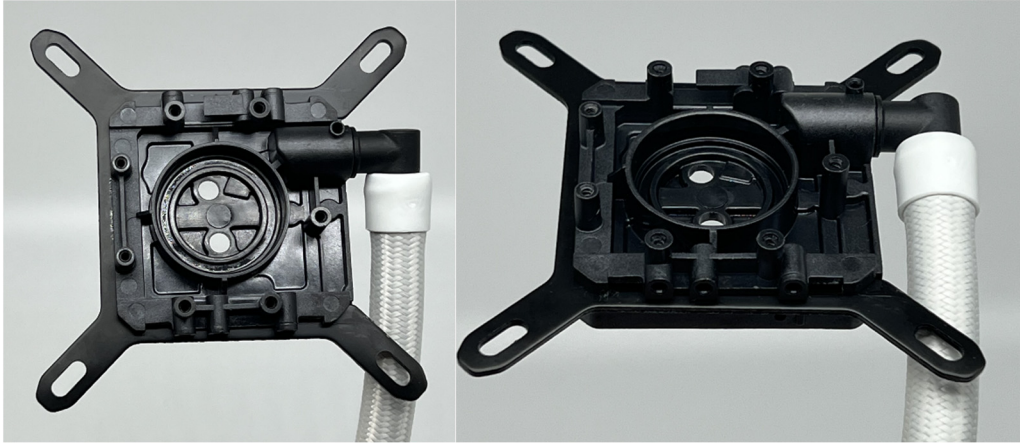
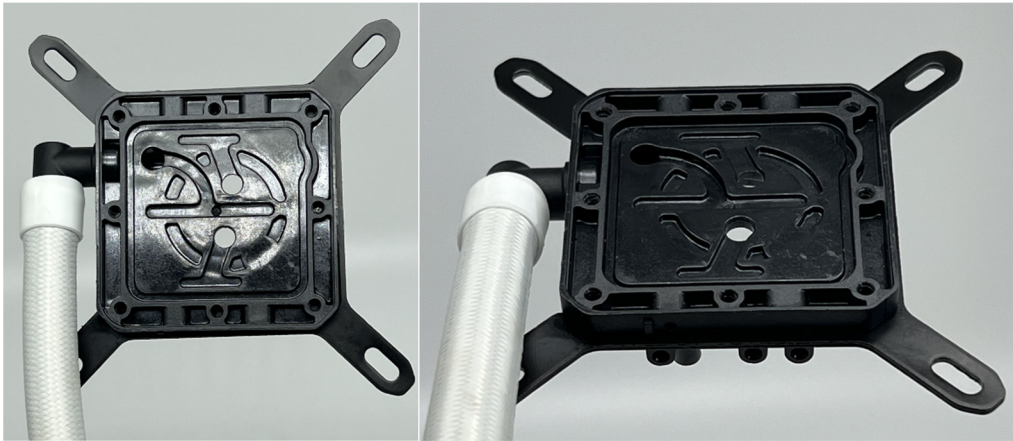
| Claims of the '446 Patent | SilverStone PF240W |
|---|---|
| 1. A cooling apparatus, comprising: | <p>The SilverStone PF240W is a cooling apparatus.</p> <p>See, e.g., Product Sheet - SilverStone PF240W, available at https://www.silverstonetek.com/upload/sstdm/pf240w-argb/PF240W-ARGB-V2-Product_Sheet-EN.pdf.</p> <div data-bbox="412 617 667 651">Permafrost Series</div> <div data-bbox="412 663 813 720">PF240W-ARGB</div> <div data-bbox="412 730 1018 764">Premium all-in-one liquid cooler with ARGB</div> <div data-bbox="412 768 971 837">  </div> <ul style="list-style-type: none"> • Pure white colored radiator, fans and cables to help achieve the ultimate full white system build of your dream • Integrated addressable RGB lighting for water block and fan • Rubber pads included on fan for lower vibration and noise • Includes addressable RGB controller with 10 lighting modes and ability to adjust brightness and color changing speeds. • Compatible with Intel 775/115X/1366/1200/2011/2066 and AMD AM2/AM3/AM4/FM1/FM2 sockets • Compatible with Intel LGA115x/1200/1700/2011/2066 and AMD AM2/AM3/AM4/FM1/FM2 sockets (V2)  |
| a base plate configured to dissipate heat and including a heat exchange unit; | <p>The SilverStone PF240W includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p> |

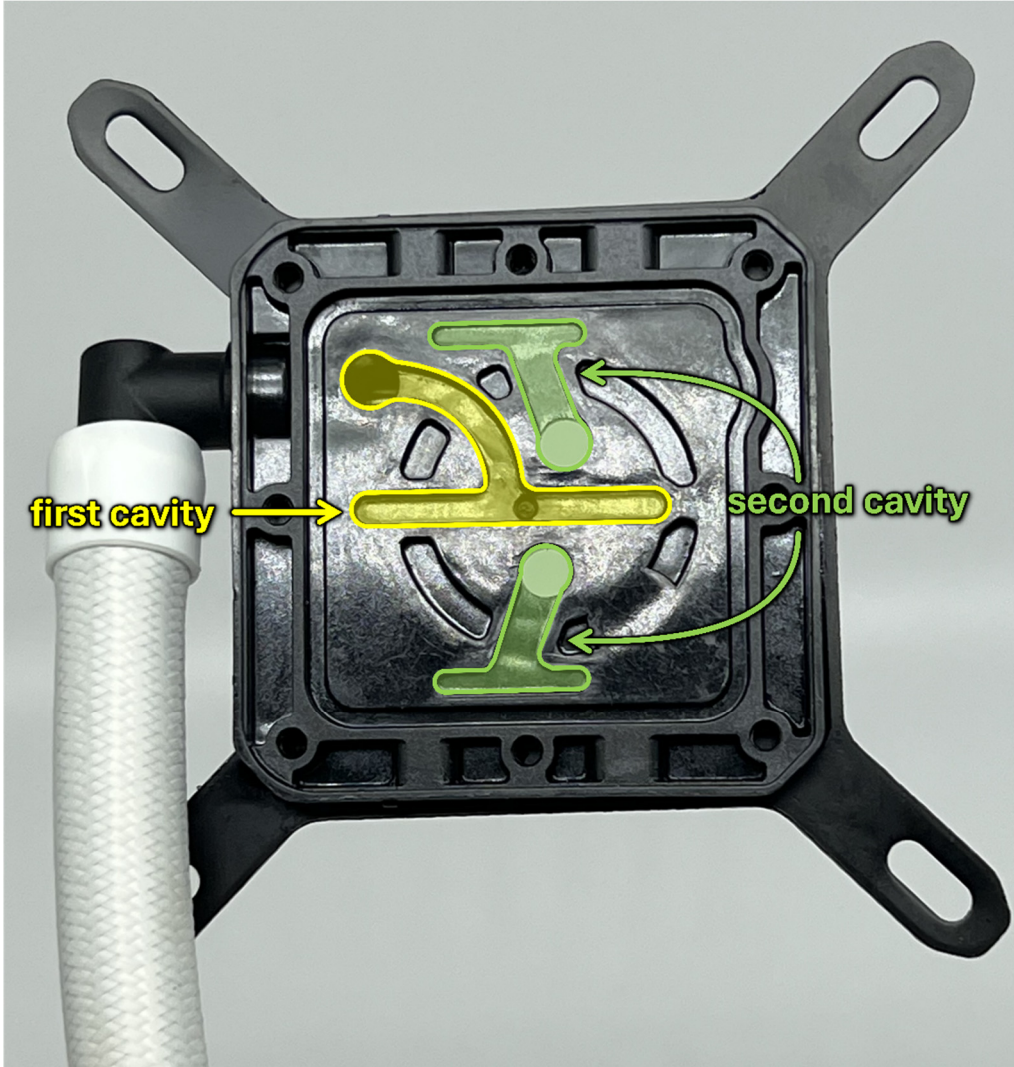
| Claims of the '446 Patent | SilverStone PF240W |
|---|--|
| |  <p data-bbox="402 1052 1382 1167">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="402 1220 1382 1251">The base plate is configured to dissipate heat through the heat exchange unit.</p> |
| a cover member coupled to the base plate and at least partially enclosing the heat exchange unit, | <p data-bbox="402 1308 1382 1381">The SilverStone PF240W includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="402 1434 1110 1465">The cover member is comprised of a plastic membrane.</p> <p data-bbox="402 1518 1382 1591">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p> |

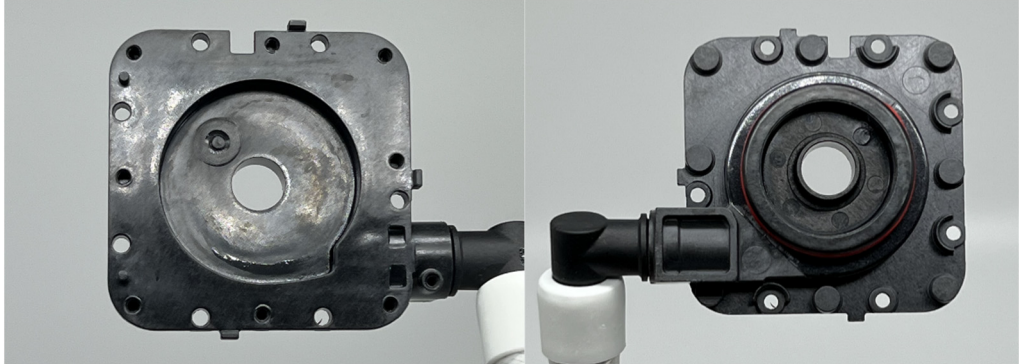
| Claims of the '446 Patent | SilverStone PF240W |
|--|---|
| |  <p data-bbox="402 1073 1414 1150">When the SilverStone PF240W is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p> |
| the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit, | <p data-bbox="402 1157 1414 1234">The cover member and the base plate in the SilverStone PF240W define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="402 1283 1414 1535">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p> <p data-bbox="402 1577 1414 1654">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p> |



| Claims of the '446 Patent | SilverStone PF240W |
|---|--|
| |  <p data-bbox="402 1087 1356 1129">As described, this heat exchange chamber includes the heat exchange unit.</p> |
| the cover member defining a first opening and a second opening, | <p data-bbox="402 1178 1372 1255">The cover member in the SilverStone PF240W defines a first opening and a second opening.</p> <p data-bbox="402 1304 1404 1381">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p> |

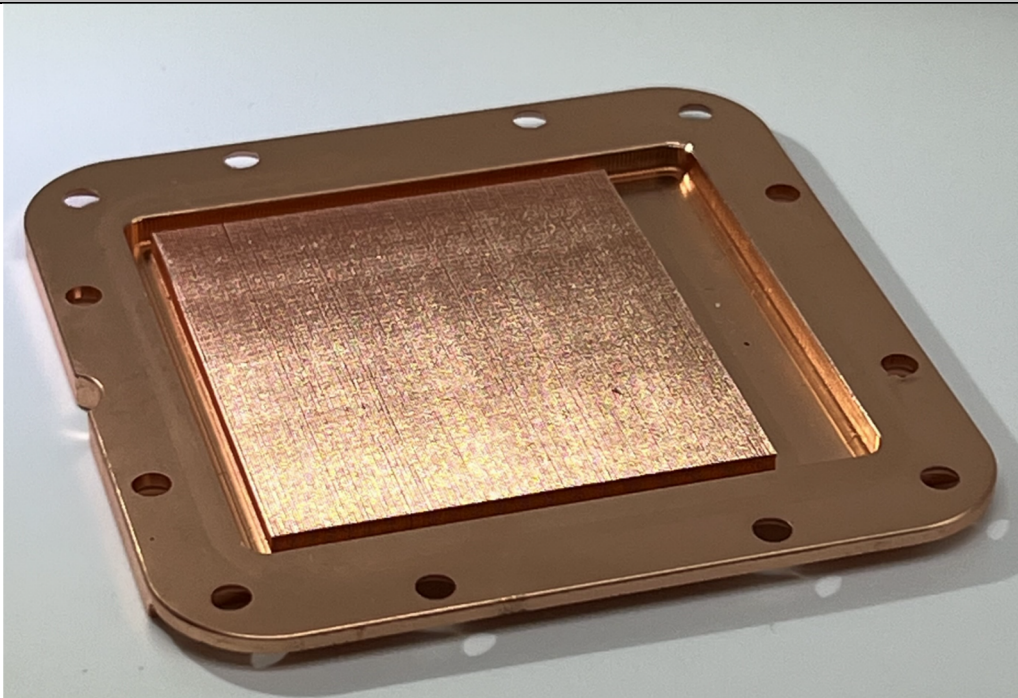
| Claims of the '446 Patent | SilverStone PF240W |
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| |  |
| <p>and the cover member being coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit;</p> | <p>In the SilverStone PF240W, the cover member is coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange unit.</p> |
| <p>a flow guidance plate disposed on</p> | <p>The SilverStone PF240W includes a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member.</p> |

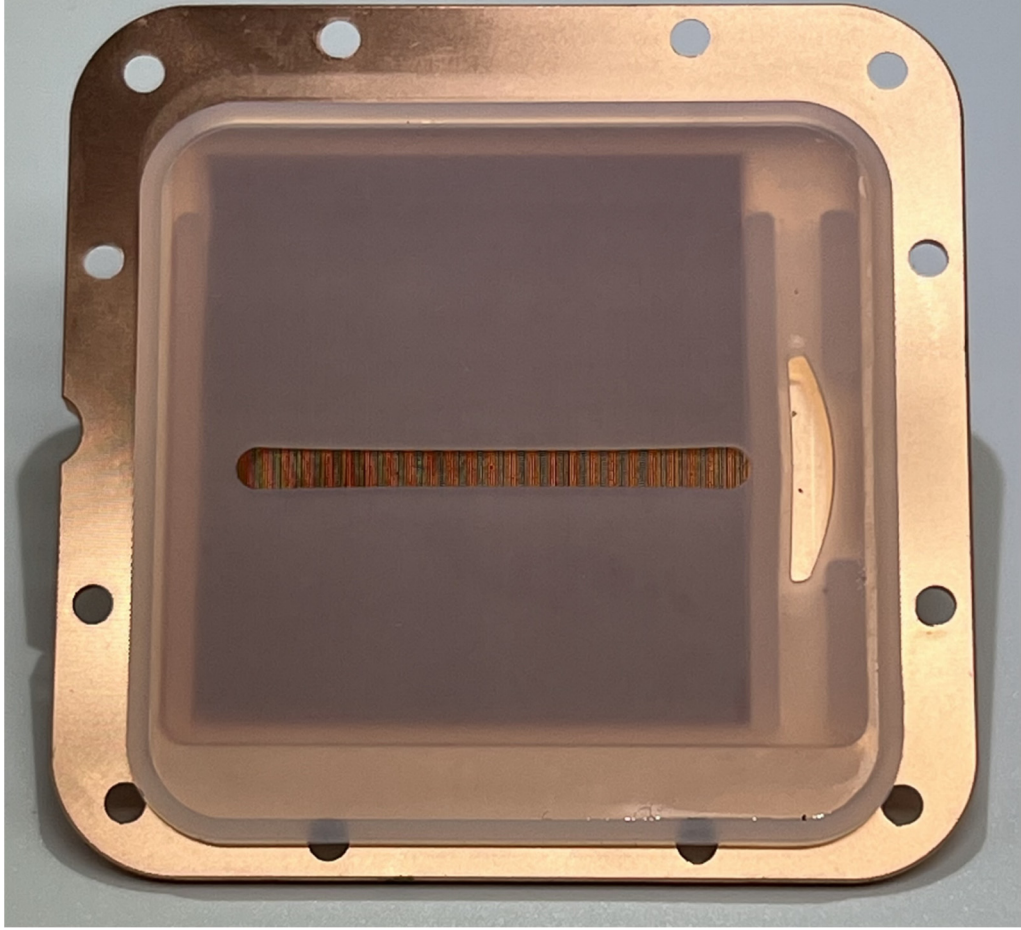
| Claims of the '446 Patent | SilverStone PF240W |
|---|---|
| <p>a top surface of the cover member and including a bottom surface facing the top surface of the cover member,</p> | <p>The flow guidance plate is shown below.</p> <p>First, two views of the top of the flow guidance plate are depicted here:</p>  <p>Second, two views of the bottom of the flow guidance plate are depicted here:</p>  <p>When the SilverStone PF240W is assembled, the flow guidance plate is disposed on a top surface of the cover member (<i>i.e.</i>, the top of the plastic</p> |

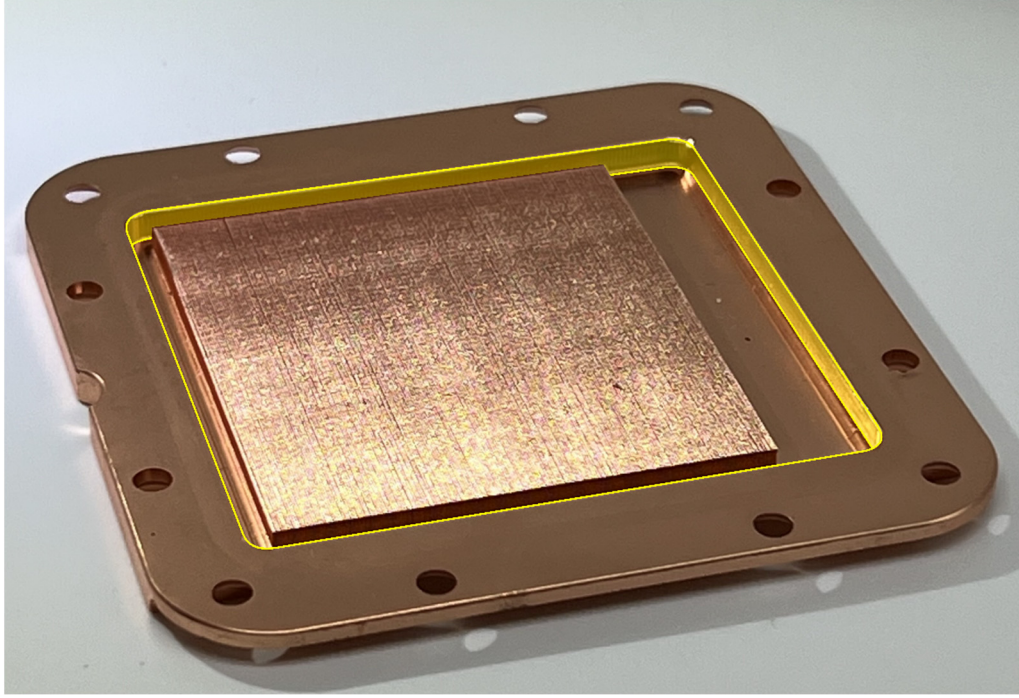
| Claims of the '446 Patent | SilverStone PF240W |
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| | membrane) and includes a bottom surface (shown above) facing the top surface of the cover member. |
| wherein the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity, and | <p>In the SilverStone PF240W, the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity.</p> <p>The portions of these two cavities defined by the flow guidance plate are shown in the image below:</p>  |
| the first cavity and the second | In the SilverStone PF240W, the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate. |

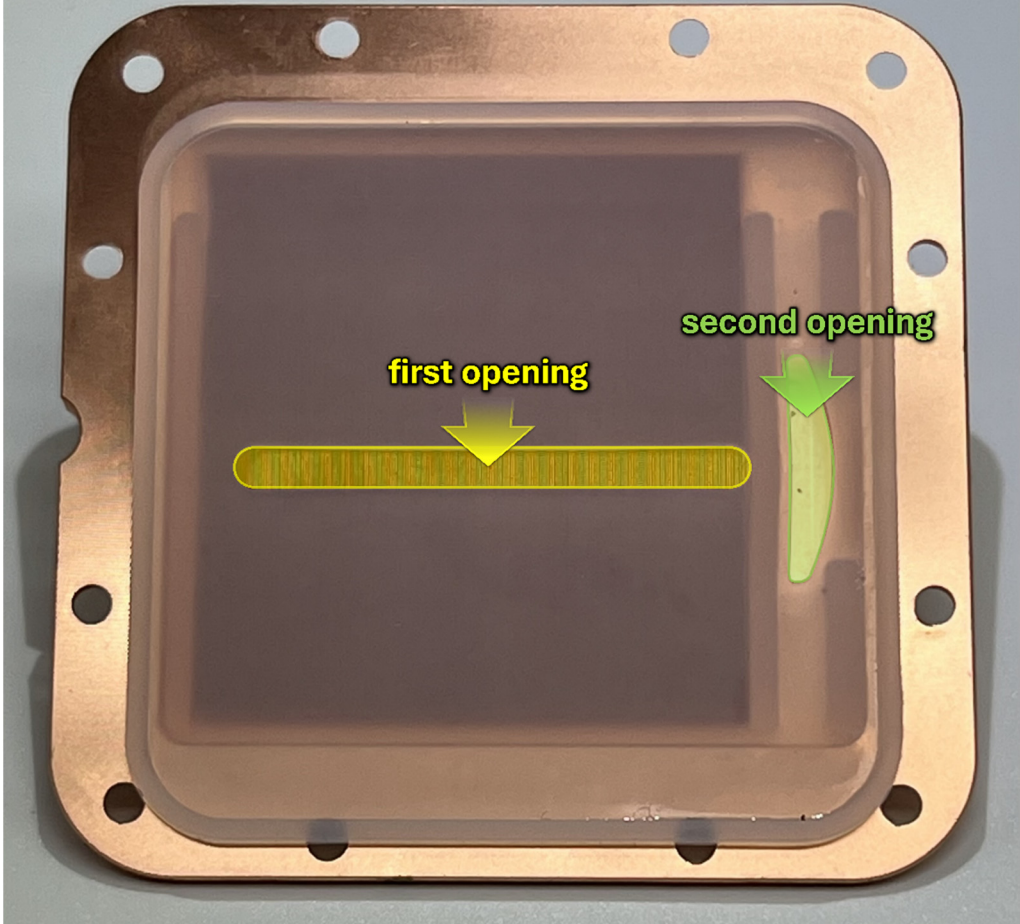
| Claims of the '446 Patent | SilverStone PF240W |
|--|--|
| cavity are defined on the bottom surface of the flow guidance plate; and | <p>The image reproduced above (showing the portions of the two cavities defined by the flow guidance plate) is an image of the bottom surface of the flow guidance plate.</p> |
| a housing disposed on the flow guidance plate. | <p>The SilverStone PF240W includes a housing disposed on the flow guidance plate.</p> <p>Images of the top and bottom of the housing are shown below:</p>  <p>When the SilverStone PF240W is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate.</p> |


| Claims of the '446 Patent | SilverStone ICEGEM360 |
|---|---|
| 1. A cooling apparatus, comprising: | <p>The SilverStone ICEGEM360 is a cooling apparatus.</p> <p>See, e.g., Product Sheet - SilverStone ICEGEM360, available at https://www.silverstonetek.com/upload/sstedm/ig360-argb/IG360-ARGB-Product_Sheet-EN.pdf.</p> <div data-bbox="415 617 937 1043">  <p>ICEGEM 360 All-in-one high cooling performance liquid coolers to meet all platforms with high power consumption</p> <ul style="list-style-type: none"> • Full block coverage to entirely cover the IHS of Ryzen Threadripper processor • Pressure optimized fans with brighter ARGB effects can effectively dissipate heat from the radiator • Scintillating diamond-cut design with SilverStone logo plating • Integrated addressable RGB lighting for water block and fans • Includes addressable RGB controller with 10 lighting modes and ability to adjust brightness and color changing speeds • The pump motor utilizes three phase, six pole design for smoother, quieter operation compared to most single phase, four pole design. Energy efficiency also improves as well • Compatible with Intel LGA 115X/1366/1200/2011/2066 and AMD sTRX4/TR4/AM4/AM3/AM2/FM2/FM1 sockets </div>  |
| a base plate configured to dissipate heat and including a heat exchange unit; | <p>The SilverStone ICEGEM360 includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p> |


| Claims of the '446 Patent | SilverStone ICEGEM360 |
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| |  <p data-bbox="402 1062 1382 1178">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="402 1230 1382 1262">The base plate is configured to dissipate heat through the heat exchange unit.</p> |
| a cover member coupled to the base plate and at least partially enclosing the heat exchange unit, | <p data-bbox="402 1318 1365 1392">The SilverStone ICEGEM360 includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="402 1444 1105 1476">The cover member is comprised of a plastic membrane.</p> <p data-bbox="402 1528 1382 1602">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p> |


| Claims of the '446 Patent | SilverStone ICEGEM360 |
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| |  <p data-bbox="402 1423 1416 1501">When the SilverStone ICEGEM360 is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p> |
| the cover member and the base plate defining a heat exchange chamber that | <p data-bbox="402 1514 1416 1591">The cover member and the base plate in the SilverStone ICEGEM360 define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="402 1640 1416 1877">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p> |

| Claims of the '446 Patent | SilverStone ICEGEM360 |
|---|---|
| includes the heat exchange unit, | <p>The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p>  |
| the cover member defining a first opening and a second opening, | <p>The cover member in the SilverStone ICEGEM360 defines a first opening and a second opening.</p> <p>Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p> |


| Claims of the '446 Patent | SilverStone ICEGEM360 |
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| <p>and the cover member being coupled to the base plate such that at least one of the first and second openings is above the</p> | <p>In the SilverStone ICEGEM360, the cover member is coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange unit.</p> |

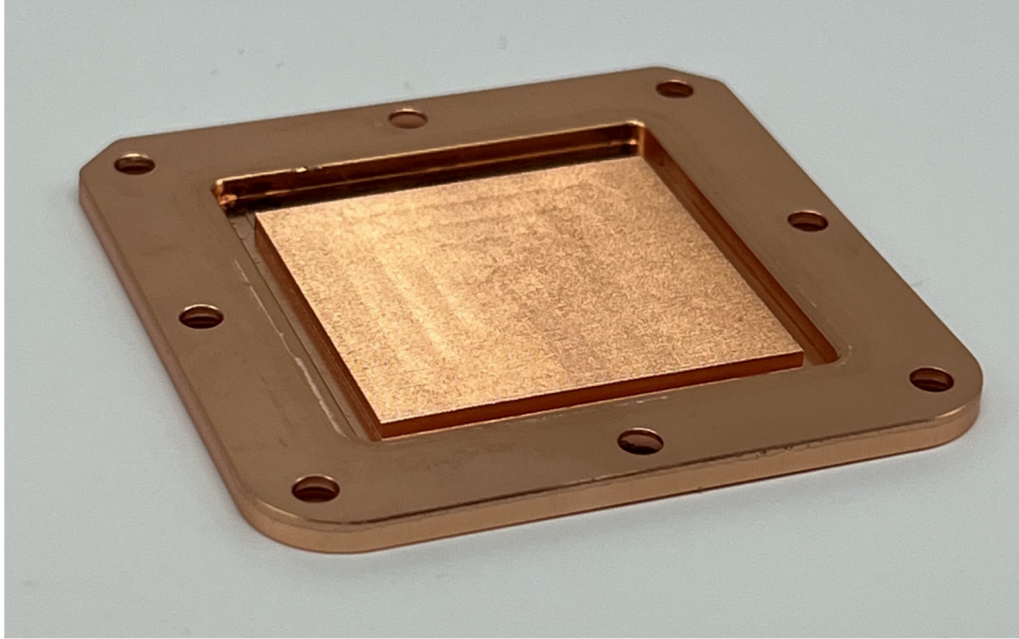
| Claims of the '446 Patent | SilverStone ICEGEM360 |
|--|---|
| heat exchange unit; | |
| a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member, | <p data-bbox="402 457 1416 573">The SilverStone ICEGEM360 includes a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member.</p> <p data-bbox="402 625 927 657">The flow guidance plate is shown below.</p> <p data-bbox="402 709 1312 741">First, two views of the top of the flow guidance plate are depicted here:</p> <div data-bbox="402 783 1416 1192">  </div> <p data-bbox="402 1539 1398 1570">Second, two views of the bottom of the flow guidance plate are depicted here:</p> |

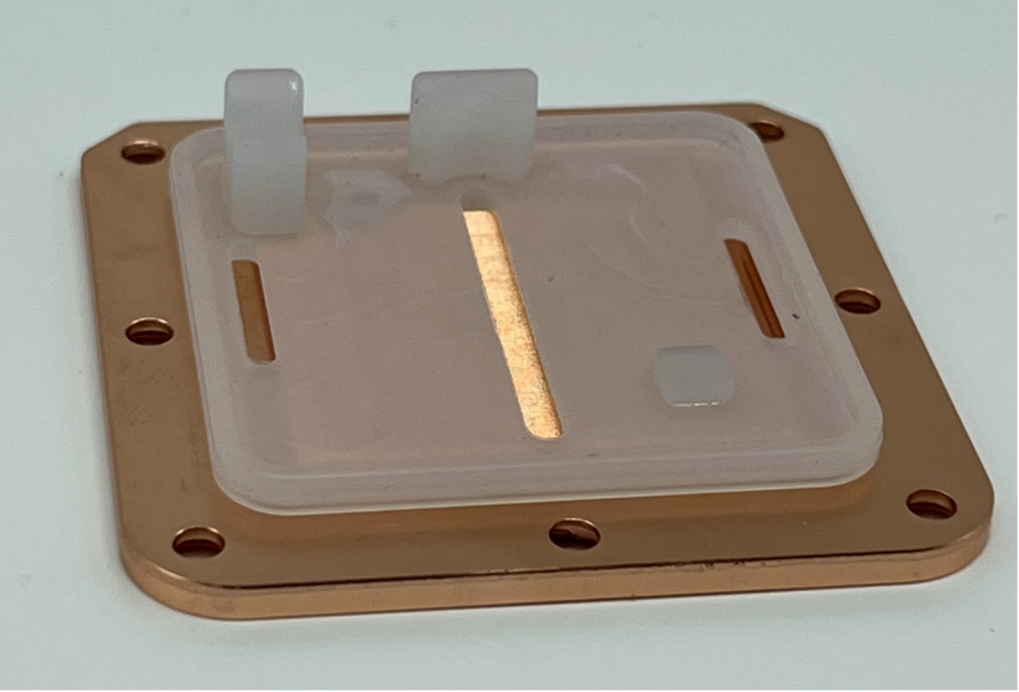
| Claims of the '446 Patent | SilverStone ICEGEM360 |
|---|---|
| |  <p data-bbox="407 842 1414 999">When the SilverStone ICEGEM360 is assembled, the flow guidance plate is disposed on a top surface of the cover member (<i>i.e.</i>, the top of the plastic membrane) and includes a bottom surface (shown above) facing the top surface of the cover member.</p> |
| <p>wherein the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity, and</p> | <p data-bbox="407 1062 1341 1125">In the SilverStone ICEGEM360, the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity.</p> <p data-bbox="407 1178 1333 1251">The portions of these two cavities defined by the flow guidance plate are shown in the image below:</p> |

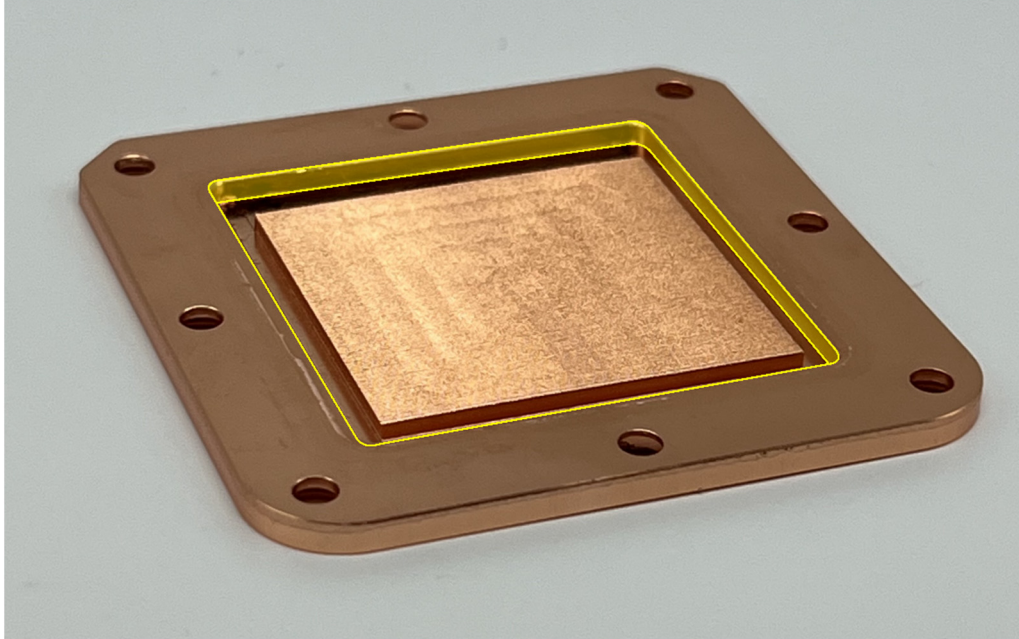
| Claims of the '446 Patent | SilverStone ICEGEM360 |
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| |  |
| the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate; and | <p>In the SilverStone ICEGEM360, the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate.</p> <p>The image reproduced above (showing the portions of the two cavities defined by the flow guidance plate) is an image of the bottom surface of the flow guidance plate.</p> |
| a housing disposed on the flow guidance plate. | <p>The SilverStone ICEGEM360 includes a housing disposed on the flow guidance plate.</p> <p>Images of the top and bottom of the housing are shown below:</p> |


| Claims of the '446 Patent | SilverStone ICEGEM360 | |
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| | <p>When the SilverStone ICEGEM360 is assembled, the housing fits on top of the flow guidance plate. Thus, the housing is disposed on the flow guidance plate.</p> | |


| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
|---|--|
| 1. A cooling apparatus, comprising: | <p>The SilverStone VIDA 240 Slim is a cooling apparatus.</p> <p><i>See, e.g.,</i> Product Sheet - SilverStone VIDA 240 Slim, available at https://www.silverstonetek.com/upload/sstedm/VIDA%20240%20SLIM/VIDA240-SLIM-Product_Sheet-EN.pdf.</p> <div data-bbox="885 611 1219 661"> <h2>VIDA 240 SLIM</h2> </div> <div data-bbox="885 674 1409 707"> <p>High performance slim All-In-One liquid cooler</p> </div> <div data-bbox="418 699 836 1087">  </div> <ul data-bbox="885 762 1412 1218" style="list-style-type: none"> • 38mm total thickness for fan and radiator • SilverStone's unique 22mm radiator design, allows for effective heat dissipation in cases with space constraints • Water pump integrated within the radiator • Aluminum alloy cavity pump strengthens the overall structure • Three phase, six pole motor design • 9-bladed pressure optimized fan blades • Rotatable CPU water block • Integrated rubber padding on fan mounts to further reduce vibrational noise • ARGB controller included with 10 lighting modes, and adjustable brightness and color changing speed |
| a base plate configured to dissipate heat and including a heat exchange unit; | <p>The SilverStone VIDA 240 Slim includes a base plate configured to dissipate heat and including a heat exchange unit.</p> <p>An image of the base plate including the heat exchange unit is reproduced below:</p> |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
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| |  <p data-bbox="402 1010 1382 1125">The heat exchange unit is the series of parallel fins in a rectangular arrangement that rests on top of the recessed flat portion in the middle of the base plate.</p> <p data-bbox="402 1178 1382 1209">The base plate is configured to dissipate heat through the heat exchange unit.</p> |
| a cover member coupled to the base plate and at least partially enclosing the heat exchange unit, | <p data-bbox="402 1262 1406 1335">The SilverStone VIDA 240 Slim includes a cover member coupled to the base plate and at least partially enclosing the heat exchange unit.</p> <p data-bbox="402 1388 1114 1419">The cover member is comprised of a plastic membrane.</p> <p data-bbox="402 1472 1386 1545">The plastic membrane is shown below, covering the heat exchange unit in an assembled position:</p> |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
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| |  <p data-bbox="407 1058 1403 1129">When the SilverStone VIDA 240 Slim is assembled, the cover member is coupled to the base plate and at least partially encloses the heat exchange unit.</p> |
| the cover member and the base plate defining a heat exchange chamber that includes the heat exchange unit, | <p data-bbox="407 1142 1419 1220">The cover member and the base plate in the SilverStone VIDA 240 Slim define a heat exchange chamber that includes the heat exchange unit.</p> <p data-bbox="407 1268 1419 1514">Specifically, the ceiling of the heat exchange chamber is defined by the plastic membrane, the upper portion of the sides of the heat exchange chamber is defined by the side walls of the plastic membrane, the lower portion of the sides of the heat exchange chamber is defined by the side walls of the recessed portion of the base plate, and the floor of the heat exchange chamber is defined by the bottom of the recessed portion of the base plate.</p> <p data-bbox="407 1562 1377 1640">The side walls of the recessed portion of the base plate—which define the lower portion of the sides of the heat exchange chamber—are shown below:</p> |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
|---|---|
| |  <p data-bbox="402 1052 1354 1083">As described, this heat exchange chamber includes the heat exchange unit.</p> |
| the cover member defining a first opening and a second opening, | <p data-bbox="402 1140 1386 1213">The cover member in the SilverStone VIDA 240 Slim defines a first opening and a second opening.</p> <p data-bbox="402 1262 1406 1335">Specifically, these two openings are in the top of the plastic membrane (which is the ceiling of the cover member).</p> |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
|---|--|
| |  |
| and the cover member being coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit; | <p>In the SilverStone VIDA 240 Slim, the cover member is coupled to the base plate such that at least one of the first and second openings is above the heat exchange unit.</p> <p>In particular, both of the openings in the plastic membrane (shown above) are above the heat exchange unit.</p> |
| a flow guidance plate disposed on a top | <p>The SilverStone VIDA 240 Slim includes a flow guidance plate disposed on a top surface of the cover member and including a bottom surface facing the top surface of the cover member.</p> |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
|--|--|
| surface of the cover member and including a bottom surface facing the top surface of the cover member, | <p data-bbox="402 323 1328 401">In particular, the SilverStone VIDA 240 Slim has a guiding and housing element, shown below.</p> <p data-bbox="402 449 1369 485">First, a view of the top of the guiding and housing element is depicted here:</p>  <p data-bbox="402 1520 1382 1598">Second, a view of the bottom of the guiding and housing element is depicted here:</p> |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
|---------------------------|--|
| |  <p data-bbox="402 1388 1419 1514">The flow guidance plate is the lower portion of the guiding and housing element. The bottom surface of the flow guidance plate is visible in the image of the bottom of the guiding and housing element, shown above.</p> <p data-bbox="402 1556 1419 1724">When the SilverStone VIDA 240 Slim is assembled, the flow guidance plate is disposed on a top surface of the cover member (<i>i.e.</i>, the top of the plastic membrane) and includes a bottom surface (shown above) facing the top surface of the cover member.</p> |
| wherein the flow guidance | In the SilverStone VIDA 240 Slim, the flow guidance plate at least partially defines a first cavity and a second cavity separated from the first cavity. |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
|---|--|
| <p>plate at least partially defines a first cavity and a second cavity separated from the first cavity, and</p> | <p>The portions of these two cavities defined by the flow guidance plate are shown in the image below:</p>  |
| <p>the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate; and</p> | <p>In the SilverStone VIDA 240 Slim, the first cavity and the second cavity are defined on the bottom surface of the flow guidance plate.</p> <p>The image reproduced above (showing the portions of the two cavities defined by the flow guidance plate) is an image of the bottom surface of the flow guidance plate (<i>i.e.</i>, the bottom surface of the guiding and housing element).</p> |

| Claims of the '446 Patent | SilverStone VIDA 240 Slim |
|--|---|
| a housing disposed on the flow guidance plate. | <p>The SilverStone VIDA 240 Slim includes a housing disposed on the flow guidance plate.</p> <p>In particular, the upper portion of the guiding and housing element shown above is the housing. And because the upper portion of the guiding and housing element is above the lower portion of the guiding and housing element (<i>i.e.</i>, the flow guidance plate), the housing is disposed on the flow guidance plate in the SilverStone VIDA 240 Slim.</p> |